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## Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、郵便箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SEMICONDUCTOR DEVICE AND METHOD OF

MANUFACTURING THE SAME

上記発明の明細書（下記の欄でx印がついていない場合は、本書に添付）は、

the specification of which is attached hereto unless the following box is checked:

☐ 月 日に提出され、米国出願番号または特許協定条約  
 国際出願番号を \_\_\_\_\_ とし、  
 （該当する場合） \_\_\_\_\_ に訂正されました。

☒ was filed on January 14, 1998  
 as United States Application Number or  
 PCT International Application Number  
09/006,844 and was amended on  
 \_\_\_\_\_ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、  
 内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of  
 the above identified specification, including the claims, as  
 amended by any amendment referred to above.

私は、連邦規則典第37編第1章56項に定義されると  
 おり、特許資格の有無について重要な情報を開示する義務が  
 あることを認めます。

I acknowledge the duty to disclose information which is material to  
 patentability as defined in Title 37, Code of Federal Regulations,  
 Section 1.56.

Page 1 of 3a

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## Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条(a)-(d)又は365条(b)に基づき下記、米国以外の国(少なくとも一か国)を指定している特許協力条約365(a)条に基づく国際出願、又は米国での特許出願もしくは発明者証の出願について、外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、括弧をマークすることで、示しています。

Prior Foreign Application(s)

外国での先行出願

9-22077  
(Number)  
(番号)  
9-123088  
(Number)  
(番号)

Japan

(Country)  
(国名)  
Japan  
(Country)  
(国名)

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

優先権主張なし

January 20, 1997

(Day/Month/Year Filed)

(出願年月日)

April 26, 1997

(Day/Month/Year Filed)

(出願年月日)

私は、第35編米国法典119条(e)項に基づいて下記の米国特許出願規定に記載された権利をここに主張いたします。

(Application No.)

(出願番号)

(Filing Date)

(出願日)

私は、下記の米国法典第35編120条に基づいて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づく権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願を提出日より本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Application No.)

(出願番号)

(Filing Date)

(出願日)

私は、私自身の知識に基づいて本宣言書で私が行なう表明が真実であり、かつ私の入手した情報と私の信じることに基づく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の表明を行なえば、出願した、又は既に許可された特許の有効性が奪われることを認識し、よってここに上記のごとく宣言を致します。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)

(出願番号)

(Filing Date)

(出願日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned)

(現況: 特許許可済、係属中、放棄済)

(Status: Patented, Pending, Abandoned)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

# Japanese Language Declaration

(日本語宣言書)

特許庁 発明特許の発明者として、本特許に關する一切の  
 権利を本特許申請書に於いて記述する発明者または発明者  
 として、本特許の権利を承継いたします。(申請日、発明者等  
 の氏名及び住所等を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint  
 the following attorney(s) and/or agent(s) to prosecute this  
 application and transact all business in the Patent and Trademark  
 Office connected therewith (list name and registration number)

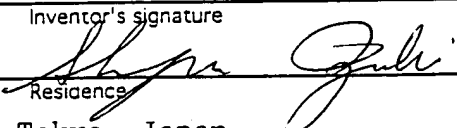
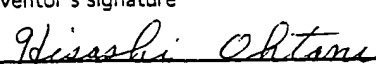
Scott C. Hattis Reg. No. 32,030

特許代理人  
 Scott C. Hattis  
 FISH & RICHARDSON  
 4005 Executive Square, Ste. 1400  
 La Jolla, CA 92037

Send Correspondence to:

直接電話通話先 (名前及び電話番号)  
 Scott C. Hattis  
 (619) 678-5070

Direct Telephone Calls to: (name and telephone number)

唯一または第一発明者	Full name of sole or first inventor Shunpei YAMAZAKI		
発明者の署名	日付	Inventor's signature	Date
			May 15, 1998
住所	Residence Tokyo, Japan		
国籍	Citizenship Japanese		
私書箱	Post Office Address c/o SEMICONDUCTOR ENERGY LABORATORY CO., LTD. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan		
第二共同発明者	Full name of second joint inventor, if any Hisashi OHTANI		
発明者の署名	日付	Inventor's signature	Date
			May 15, 1998
住所	Residence Kanagawa, Japan		
国籍	Citizenship Japanese		
私書箱	Post Office Address c/o SEMICONDUCTOR ENERGY LABORATORY CO., LTD. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan		

(第三以降の共同発明者についても同様に記載し、署名をす  
 ること)

(Supply similar information and signature for third and  
 subsequent joint inventors.)

☐ Please see attached page 3a for names, addresses and signatures of  
 additional inventors, if any.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : S. Yamazaki, et al.                      Art Unit : 2815  
Serial No. : 10/107,113                              Examiner : Jesse A. Fenty  
Filed : March 26, 2002  
Title : SEMICONDUCTOR DEVICE FORMING A PIXEL MATRIX CIRCUIT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

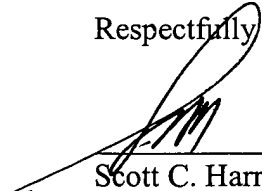
**ASSOCIATE POWER OF ATTORNEY**

Please recognize John F. Hayden, Reg. No. 37,640; James E. Mrose, Reg. No. 33,264; Phyllis K. Kristal, Reg. No. 38,524; W. Karl Renner, Reg. No. 41,265; Gregory A. Walters, Reg. No. 41,366; Diana DiBerardino, Reg. No. 45,653; Joseph F. Key, Reg. No. 44,827; Harold H. Fox, Reg. No. 41,498; Scott R. Boalick, Reg. No. 42,337; Mark E. Wadzyk, Reg. No. 45,187; Benjamin D. Driscoll, Reg. No. 41,571; Ruffin B. Cordell, Reg. No. 33,487; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; Lauren A. Degnan, Reg. No. 40,584; Joseph V. Colaianni, Jr., Reg. No. 39,948; William G. Hughes, Jr., Reg. No. 46,112; William E. Booth, Reg. No. 28,933; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; John B. Pegram, Reg. No. 25,198; Thomas A. Rozylowicz, Reg. No. 50,620; Kevin Greene, Reg. No. 46,031; Barbara V. Benoit, Reg. No. 54,777; Brian T. Racilla, Reg. No. 54,382 and John E. Mauk, Reg. No. 54,579, as my associate attorneys/agents in the above application, with full powers.

Please direct all future official communications to Customer No. 26171.

Respectfully submitted,

Date: 10/13/03

  
\_\_\_\_\_  
Scott C. Harris  
Reg. No. 32,030

Fish & Richardson P.C.  
4350 La Jolla Village Drive, Suite 500  
San Diego, CA 92122  
Telephone: (858) 678-5070  
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RECORDATION DATE: 06/08/1998

REEL/FRAME: 9262/0482  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YAMAZAKI, SHUNPEI

DOC DATE: 05/15/1998

ASSIGNOR:

OHTANI, HISASHI

DOC DATE: 05/15/1998

ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY  
CO., LTD.  
398, HASE, ATSUGI-SHI  
KANAGAWA-KEN, JAPAN 243-0036

SERIAL NUMBER: 09006844  
PATENT NUMBER:

FILING DATE: 01/14/1998  
ISSUE DATE:

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Initials: <i>MB</i>
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Initials:

9262/0482 PAGE 2

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6-8-98  
MRD  
Assistant Commissioner for Patents: PI

06-24-1998  
100745914

ny Docket No.: 07977/248001/US351373615

ET  
ent.

1. Name of conveying party(ies):  
Shunpei Yamazaki  
Hisashi Ohtani

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):  
Semiconductor Energy Laboratory Co., Ltd.  
398, Hase, Atsugi-shi  
Kanagawa-ken 243-0036 Japan

Additional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment  
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☐ Other:

Execution Date: 5/15/98

4. Application number(s) or patent number(s):  
If this document is being filed with a new application, the execution date of the application is:  
A. Patent Application No.(s):  
09/006, 844

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

Scott C. Harris, Reg. No. 32,030  
Fish & Richardson P.C.  
4225 Executive Square, Suite 1400  
La Jolla, CA 92037

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed  
☐ Authorized to charge deposit account

8. Deposit account number: 06-1050  
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Scott C. Harris, Reg. No. 32,030

Name of Person Signing

Signature

Date

6/8/98

Total number of pages including cover sheet, attachments, and document: 3

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6-8-98

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Susan Christy

for C&S



FISH & RICHARDSON P.C.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

having the address:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

Attorney Docket No: 07977/218001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No. 09/006,844

Filing Date: January 14, 1998

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

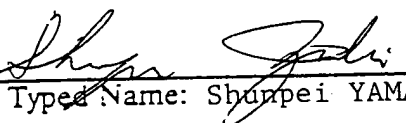
3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

May 15, 1998  
Date

  
Typed Name: Shunpei YAMAZAKI

May 15, 1998  
Date

  
Typed Name: Hisashi OHTANI

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name: